

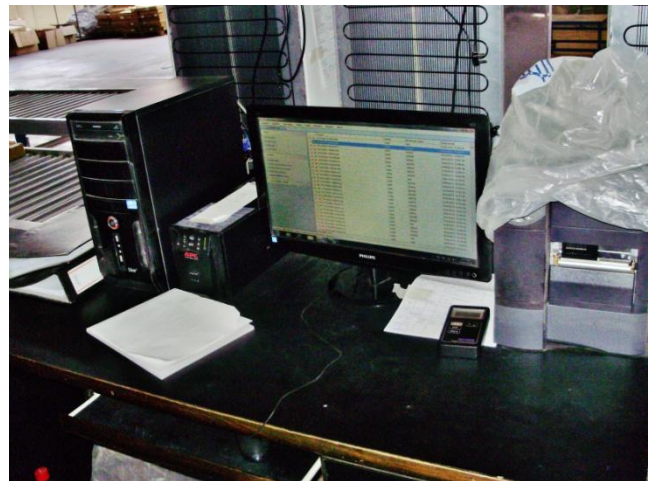
INTRODUCTION:

Sigma Refrigeration Pvt. Ltd. specializes in manufacturing and assembling of Refrigerators, Air Conditioners and LCD/LEDs in collaboration with Electrolux Global in Pakistan. Electrolux is top European brand established over 80 years ago and leading the industry with continuous technological advancements, design innovations and acquisitions have made Electrolux Group today a global leader in Home Appliances and appliances for professional use. A pioneer of Direct Cool Refrigerator technology and worlds No 1 refrigerator seller with 40 million consumers in more than 150 countries translates to two Electrolux products bought every second, every day of the year. Sigma Refrigeration has the honor of being the pioneers, by introducing R600a Refrigerators in Pakistan.

SYSTEM:

Following system is installed and commissioned at this Facility:

- 1- Nitrogen High Pressure Test and Tracer Gas Test **Pro-Trace**
- 2- Electrical Safety Tester **EST900**
- 3- Two-Stage **Leybold Vacuum Pumps** with Computerized Vacuum Checks **CVC-NANO**
- 4- R600a Refrigerant Charging Station **Pro-Max-F**
- 5- **Safe Emergency Notification System**
- 6- **Ultra Sonic Welding Tool**
- 7- Refrigerant Leak Detector **HLD5000**
- 8- Computerized Performance Testing **CPT-XD**



Most importantly, all the above mentioned equipments are integrated with single Logger PC via Agramkow Special tool PLIS (Production Line Information System). PLIS is designed to enable appliance manufacturers to measure and improve every process in the production line while at the same time providing new insight into how they can make their line more productive. It gives you a single, consistent view of your production line and fundamental analytical capabilities that offer superior performance, scalability and online data which can be utilized in after sales as well for better Traceability.

Commissioning:

Total Twenty Two Leybold Vacuum Pumps with CVC-NANO each are installed, Ninety Nine CPT-XD Boxes are installed with Two Temperature Sensors Each for both freezer and refrigerator compartments of a cabinet. Logger PC is installed to record all the manufactured cabinet's log starting from assembly to its packing based on unique Barcode for better traceability and to improve productivity. The system is running smoothly since June, 2012.



Pro-Max-F Charging Station with Barcode Scanner

AMIRUDDIN ARAIN: Director (Technical)

"We are very satisfied with the Agramkow/ Khan Brothers Performance of the Equipment & its integration on a central computer for our detailed records."

MUSTANSER JAVED: CEO (Sigma Refrigeration)

"The Agramkow units are top of the line with full international & most importantly local support."

EST900: Perform All Electrical Tests on Cabinet.



CPT-XD: Power Testing and Pull Down Testing

